

015 EXPRESS MAILING LABEL NO. EL 733 591 375 US

PATENT APPLICATION
Docket No: 15689.77

OCT 25 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Motohiro TANNO et al.

Serial No.: 09/944,450

Filing Date: August 31, 2001

Confirmation No.: 2847

For: **Cell Search Method and Apparatus for Mobile Station in Mobile Communication System**

OCT 29 2002
Art Unit
2847
IC 2800 MAIL ROOM

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REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

Honorable Commissioner of Patents
and Trademarks
Washington, DC 20231

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Sir.

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The undersigned, Yoshitaro Shimanuki, declares: that he is the Intellectual Property Executive Manager of NTT DoCoMo, Inc., and that he is authorized to execute this Revocation and Substitute Power of Attorney on behalf of NTT DoCoMo, Inc.; and that NTT DoCoMo, Inc. is the assignee of the entire interest of the above-identified application, as shown by the assignments recorded in the United States Patent Office at Reel 012622, Frame 0373, a copy of said assignment is attached at Exhibit A hereto; and that the attached assignment has been reviewed by him, and to the best of his knowledge and belief title is in the assignee NTT DoCoMo, Inc.. The assignee, NTT DoCoMo, Inc., hereby revokes all previous powers of attorney in the above-identified application, and now hereby appoints all attorneys under customer number:



022913

PATENT TRADEMARK OFFICE

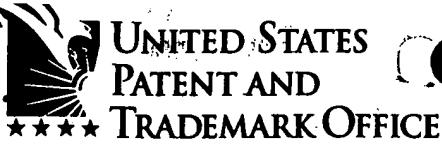
of WORKMAN, NYDEGGER & SEELEY, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, as attorneys with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the Letters Patent, and to transact all business in the Patent and Trademark Office connected therewith. The declarant further declares that all statements made herein of his own knowledge are true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon. All correspondence and telephonic communications should be directed to:

ADRIAN J. LEE
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

All previous powers of attorney are hereby revoked.

Signed this 30 day of September, 2002.

Yoshitaro Shimanuki
Intellectual Property Executive Manager
NTT DoCoMo, Inc.
11-1, Nagatacho 2-Chome
Chiyoda-Ku
Tokyo 100-6150, Japan



APRIL 25, 2002

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OCT 31 2002

NUMBER OF PAGES: 3

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TANNO, MOTOHIRO

DOC DATE: 08/22/2001

ASSIGNOR:

NAKAMURA, TAKEHIRO

DOC DATE: 08/22/2001

ASSIGNEE:

NTT DOCOMO, INC.
11-1, NAGATACHO 2-CHOME, CHIYODA-KU
TOKYO, JAPAN 100-6150

SERIAL NUMBER: 09944450

FILING DATE: 08/31/2001

PATENT NUMBER:

ISSUE DATE:

TC 2800 MAIL ROOM

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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3815/129

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Motohiro TANAKA and Takehiro NAKAMURA

10/16/01

2-13-02

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

 Assignment Merger Security Agreement Change of Name Other _____

Execution Date: August 22, 2001

2. Name and address of receiving party(ies):

Name: NTT DoCoMo, Inc.

Internal Address:

Street Address: 11-1, Nagatacho 2-chome,
Chiyoda-kuCity: Tokyo Country: JAPAN ZIP: 100-6150Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s)

If this document is being filed together with a new application, the execution date of the application is: August 31, 2001

A. Patent Application No.(s)

09/944,450, filed 8/31/01

B. Patent No.(s)

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Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

BROWN RAYSMAN MILLSTEIN FELDER & STEINER LLP

900 Third Avenue

New York, New York 10022
(212) 895-20006. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00 Check enclosed Authorized to be charged to deposit account8. Deposit account number: 02-4270

(Attach duplicate copy of this page by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Ralph F. Hoppin, Reg. No. 38,494

Ralph F. Hoppin

Name of Person Signing

Signature

Oct. 12, 2001

Date

Total number of pages including cover sheet, attachments and document: 3

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ASSIGNMENT

WHEREAS, we, 1) Motohiro TANNO and 2) Takehiro NAKAMURA

a citizen of Japan,

residing at 1) 105-4-307, Kasumigaoka, Nishi-ku, Yokohama-shi, Kanagawa 220-0035,
Japan
2) 4-18-4-1103, Nobi, Yokosuka-shi, Kanagawa 239-0841 JAPAN

have invented one or more inventions (hereinafter referred to as "said invention(s)")
disclosed in an application for Letters Patent of the United States titled

CELL SEARCH METHOD AND APPARATUS FOR MOBILE STATION IN MOBILE COMMUNICATION SYSTEM

(hereinafter referred to as "said application"), said application having been executed on
even date herewith or filed on 8/31/01 and assigned application
Serial No. 09/944,450.

WHEREAS, NTT DoCoMo, Inc.,
(hereinafter together with its successors and assigns referred to as "the Assignee"), a
Japanese corporation, having a place of business at

11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan

is desirous of obtaining all right, title and interest in, to and under said invention(s) and
said application; and

NOW, THEREFORE, for good and valuable considerations, the receipt and
sufficiency of which we hereby acknowledge, we have sold, assigned, transferred and set
over, and by these presents hereby sell, assign, transfer and set over to the Assignee all
right, title and interest in, to and under said invention(s) and said application, including
the right to apply for any Letters Patent of the United States of America and in any and all
foreign countries on said invention(s), and any and all other applications for Letters Patent
on said invention(s), in whatsoever countries, including all divisional, renewal, substitute,
continuation, continuation-in-part and convention applications based in whole or in part
upon said invention(s) or upon said application, and any and all Letters Patent which may
issue thereon in the United States and foreign countries, and any and all reissues,
extensions, renewals, divisions, continuations or continuations-in-part of Letters Patent
granted for said invention(s) or upon said applications, to the full term or terms for which
said Letters Patent may be issued, and every priority right that is or may be predicated
upon or arise from said invention(s), said application and said Letters Patent, the same to
be held and enjoyed by the Assignee for its own use and benefit fully and entirely as if the
same would have been held and enjoyed by us had this Assignment not been made. We
hereby authorize the Assignee to file patent applications in any and all countries on any or
all of said invention(s) in our names, or in its name, or otherwise as the Assignee may deem
advisable, under the International Convention or otherwise.

We hereby authorize the Commissioner of Patents and Trademarks of the
United States, and any official of any other country empowered to issue patents, to record

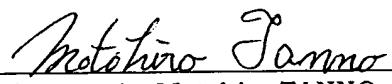
this Assignment, and to issue or transfer all said Letters Patent on said invention(s) to the Assignee as owner of all right, title and interest therein, or otherwise as the Assignee may direct, in accordance with the terms of this Assignment.

We hereby represent and warrant that we have the full right to convey the entire right and interest herein assigned, that there are no rights or interests outstanding inconsistent with the rights and interests granted herein, and that we will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interests granted herein.

We hereby covenant and agree that we will, upon request of the Assignee, communicate to the Assignee any facts known to us relating to said invention(s) and the history thereof, testify in any legal proceeding, execute all lawful papers including without limitation all divisional, continuing and reissue applications and all rightful oaths and declarations, and generally do all further acts which may be deemed necessary by the Assignee to obtain and enforce proper patent protection for said invention(s) in all countries.

IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: August 22, 2001


(Signature) Motohiro TANNO

Date: August 22, 2001


(Signature) Takehiro NAKAMURA